

## 2022 Indicators:

- 2022 WRTAC Indicators:
  - > 3 hours in the emergency department for patients;
    - transferring to another facility or
  - No TTA in/with:
    - patients meeting age specific Physiological TTA criteria (looking for patterns)
      - i. < 65 yoa
      - ii. ≥ 65 yoa
    - No pre-hospital (EMS) TTA with patients meeting State physiological TTA criteria
  - Transfers out of the region/State
  - Chest and pelvis x-ray not done prior to CT for highest level of activation
  - No prehospital TTA/notification done for highest level of activation
- 2022 ERTAC Indicators:
  - GCS < 8 without advanced airway and greater than 2 attempts
  - NO TTA but met physiological criteria
  - Air Medical trauma transfers dismissed from the ED
  - Use of tourniquet (0X373ZZ, 0X363ZZ, 0Y3B0ZZ, 0Y393ZZ)
  - NO TTA age >65 yrs of age and emphasis on BP<110 and GCS <13
  - No prehospital TTA from the field that met criteria
  - Greater than 1 liter of crystalloid given during resuscitation
  - 2-3 hours prior to transfer and/or greater than 1 hour in decision to transfer that is documented

- 2022 CRTAC Indicators:

- ISS > 15 & no TTA (trauma team activation) with emphasis on why no activation and those aged > 55
- Crystalloid infusions of > 1 L & no blood products given during resuscitation (in accordance with 10<sup>th</sup> edition ATLS)
- Plain films (CXR & pelvic x-ray) done for all full activations (before CT scan)
- EMS scene time > 10 for full or missed (full) trauma activations (& no supporting documentation)
- Non-contrast CT done of chest/abdomen/pelvis
- Pediatric patient: (< age 15)
  - Weight documented in Kg for ALL peds pts
  - Crystalloid fluid management per recommended guidelines for pts weighing less than (<) 40Kg:
  - **TRAUMA/ONGOING BLOOD LOSS:** WARMED 20ml/kg bolus, repeat x 1 and move to blood products 10ml/Kg (rapid infusers not recommended for pts < 40Kg)
  - **BURNS:** Pediatric pts (<40Kg) burn pts per American Burn Association (ABA) guideline: WARMED 3ml x KG x % TBSA burn... ½ that total in 8 hrs.

- 2022 STCC Indicators:

- ED LOS > 2 hrs. for patients w/ ISS > 15
- GCS < 8 & no rescue airway Document # of attempts in “notes”
- Patient who meets Montana physiologic activation criteria but NO TTA
- Watching number of transfers out of state and reason for transfer (biannual report)
- Trauma CT (chest, abdomen, and pelvis) without IV contrast or repeating imaging due to poor quality
- Use of vasopressors in trauma that are outside of ATLS protocols
- ISS >25, ≥65 yo without TTA